



## **DIVISION OF UNDERGROUND STORAGE TANKS**

### **TECHNICAL GUIDANCE DOCUMENT - 005**

**EFFECTIVE DATE – AUGUST 30, 1991**

**REVISED DATE – JUNE 30, 1993**

**REVISED DATE – AUGUST 1, 1996**

**REVISED DATE – JUNE 28, 2000**

#### **RE: SAMPLING REQUIREMENTS FOR EXCAVATED MATERIALS**

The purpose of this document is to assist the regulated community in determining if excavated material is contaminated or has been adequately treated. Discrete samples shall be collected from the excavated material to determine if the level of petroleum contamination is below the Division's most stringent regulatory cleanup levels of (5 PPM BENZENE and/or 100 PPM TPH).

#### **PROCEDURES:**

1. The total volume of excavated material (in cubic yards) shall be determined and divided by ten (10). This is the total number of discrete samples to be collected for field screening. Field screening shall be in accordance with the current Environmental Assessment Guidelines. If the result is not a whole number, round up to the next whole number.
  - a. Sampling points must be evenly distributed throughout the entire volume of material. The samples collected for field screening shall be representative samples according to volume rather than area.
  - b. All field screening samples shall be collected from sufficient depth in undisturbed material. Surface samples are not acceptable.
2. Samples shall be collected from the area(s) with the highest levels of contamination as determined by the field screening in Item 1 above. The sample(s) shall be submitted for laboratory analysis in accordance with the table below. All laboratory analysis shall follow the current *UST System Closure Assessment Guidelines*.

VOLUME OF TREATED MATERIALS (cubic yards)	NUMBER OF SAMPLES FOR LAB ANALYSIS
0 – 60	1
60 – 240	2
240 – 480	3
480 – 720	4

Note: Each additional 240 cubic yards of material will require one additional sample for laboratory analysis.

3. All results from both the field screening and laboratory analyses, as well as a site map showing all sampling points and a distance referenced from the stockpile to a permanent fixed point, shall be submitted to the appropriate Environmental Assistance Center. The original or a carbon copy of the laboratory analysis sheet shall be submitted to the Division. Photocopies are not acceptable. All laboratory analysis sheets shall include the information specified in the *UST System Closure Assessment Guidelines*.